

LITTLE COLORADO RIVER BASIN

09400565 POLACCA WASH TRIBUTARY NEAR CHINLE, AZ

LOCATION.--Lat 36°02'50", long 110°04'50", Navajo County, Hydrologic Unit 15020013, at Navajo Highway No. 4, 9 mi east of Pinon, and 31 mi southwest of Chinle.

DRAINAGE AREA.--6.45 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1964	09-20-64	7.0	ES	1971	08-26-71	610	
1965	09-19-65	247		1972	00-00-72	540	
1966	00-00-66	43		1973	10-19-72	940	
1967	09-00-67	295		1974	07-21-74	900	
1968	08-00-68	20	ES	1975	09-07-75	1,130	
1969	09-11-69	485		1976	00-00-76	180	
1970	00-00-70	275					

Magnitude and probability of instantaneous peak flow based on period of record 1964-76

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
361	708	995	1,420	1,770	2,150
Weighted skew	(logs) =	-0.17			
Mean	(logs) =	2.55			
Standard dev.	(logs) =	0.36			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
160	5.7	6,890	78.0	1.0	12.3	1.5	2.9

